



ZERO BEAT



AMSAT

Hampden County Radio Association

Springfield, MA

June 1985

ARRL Affiliated, 37th Year

JANUARY VHF SWEEPSTAKES

THE RESULTS

ARE IN:

192,556 POINTS!

THIRD PLACE

IN THE USA!

CONGRATULATIONS!

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VOLUNTEER EXAM SESSION OF MAY 18TH

Report by KIBXE

54 candidates signed up and 48 showed to take a test. Of those, 41 upgraded!

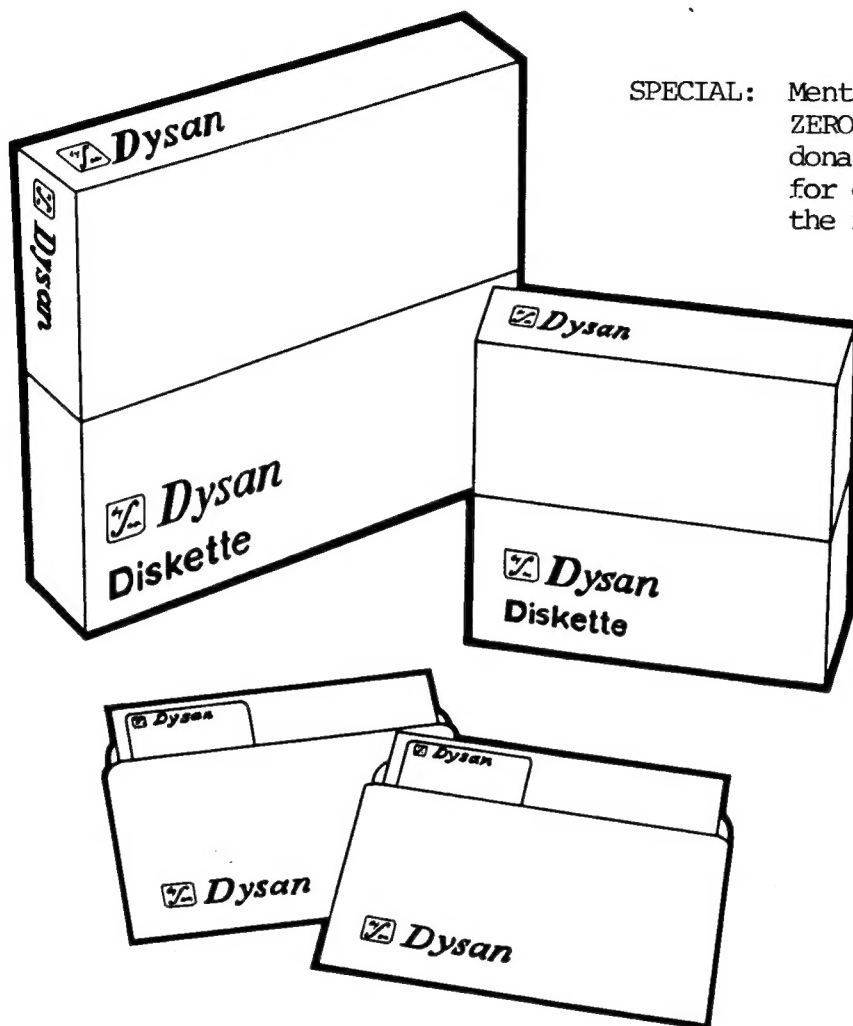
9 technicians, 9 generals, 13 advanced, 4 extras, 1 passed 13 wpm, 5 passed 20 wpm!

Shows the good training they received from the licensing classes!

Many thanks to all who helped.

Dues are \$9.00 per season, September thru June. Please mail to: NIAEH,
 Greg Stoddard, 1500 Mapleton Avenue, Suffield, CT 06078. Thank you!

Dysan. The Finest Quality Diskettes Available.



SPECIAL: Mention the ad in ZERO BEAT and a donation will be made for every box sold to the repeater fund!

Dysan's 5¼" or 8" diskettes are available single- or double-sided, and in single- or double-density formats.

Dysan's advanced production techniques assure that each Dysan diskette is certified 100% error free. So you can count on Dysan for your IBM*, Apple*, Tandy*, Atari*, Commodore*, Osborne* or other personal computers.

So give us a call. Or stop by. We have a complete inventory of the finest quality diskettes on hand. Dysan diskettes.

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BUSINESS COMPUTER SYSTEMS OF
NEW ENGLAND
P.O. Box 2285
Springfield, Mass 01101

Our friend JERRY GRIFFIN, WA1PGT is your local dealer! Call for special prices.

413-567-0367 (Evenings)

 **Dysan**
CORPORATION



WITM FIELD DAY 1985!

HAMPDEN COUNTY RADIO ASSOCIATION
Annual Meeting & Awards Night
Friday June 7th, 1985 6:30 pm
F.H. Congregational Church,
Feeding Hills, Mass

BUFFET of Roast Beef, Imported Ham, Meatballs, Turkey Roll, Macaroni Salad, Potato Salad, Coleslaw, Rolls, Baked Beans, Coffee, Milk, Butter, pickles, and Cake.

Door Prizes! \$4.00 per person

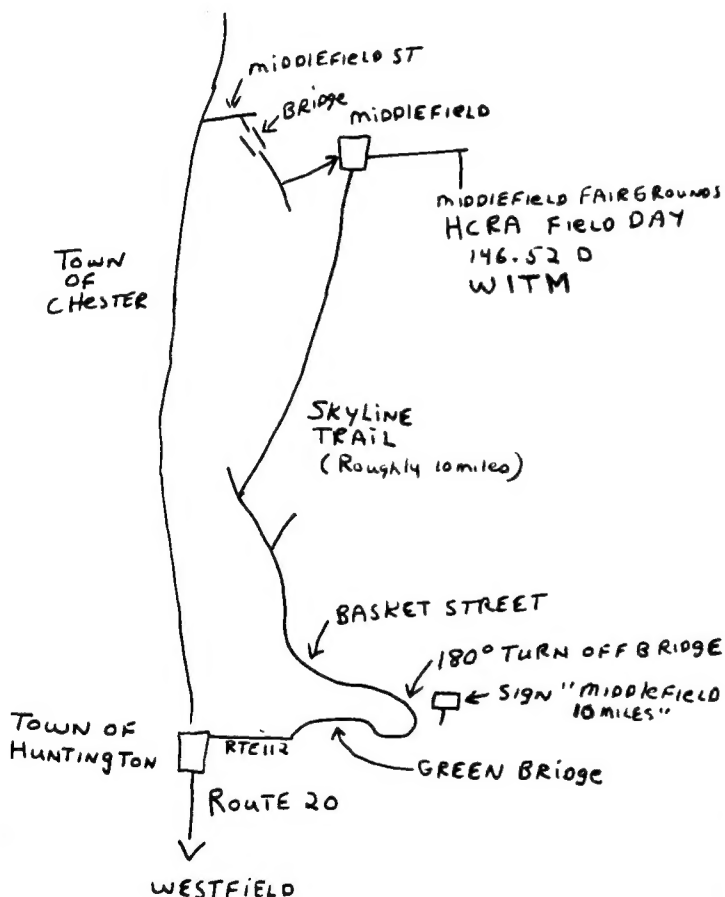


Special awards have been created and will be presented to the following hams who've sent in logs for the January VHF Sweepstakes! If you're not on the list, let KALKPH Bob McCormick know. (786-7966)

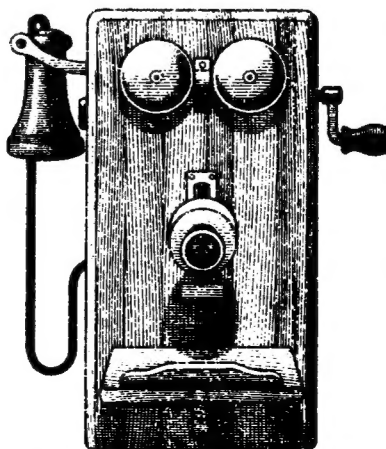
KIWVX	KAIAPR	ACIT	KIBE	WBIAPD
WBIGLZ	WICJK	NIPF	KIMAL	KAICRX
WBIDLH	WIQMJ	WINY	WIKK	WIJWV
KBIY	KAI DNK	WIUWX	WIRED	KIBUB
WIALL	KIFO	WAI RWU	KAIBBN	WAI EYF
WIDGJ	WAI VHU	NICRO	KAIKRJ	KAIMEW
KIJDL	KAIJDY	NISR	WBI EHS	WBI HAB
KAICAX	KBIMU	KAICTM	WAI LES	KIGXU
WBIGLX	KAICQL	KAIKPH	KAIMCA	NIAEH
WALUQC				

We Need Volunteers

80 meters	phone	CW
40 meters	phone	CW
20 meters	phone	CW
15 meters	phone	CW
10 meters	phone/cw	
2/6 meters	phone/cw	



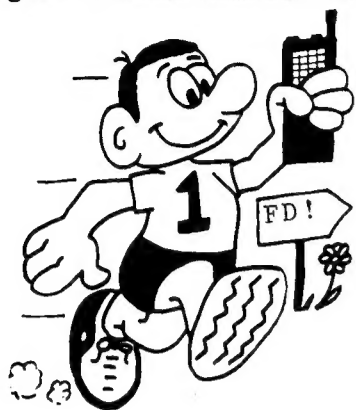
FOR SALE: HEATH HW-32A 200 WATT 20 METER SSB XCVR WITH HEATH HP-13A 12VDC POWER SUPPLY. JOHNSON VIKING INVADER 200 WATT 80-10 METER TRANSMITTER. HALLICRAFTERS SK-100 BC THRU 34 MHZ RECEIVER. GLOBE CHIEF 90 WATT 80-10 METER TRANSMITTER. JOHNSON 6N2 50 WATT 6 & 2 M XMTR. HALLICRAFTERS HT-18 80-10 M NBFM XMTR EXCITER. MILLEN 90800 50 WATT XMTR EXCITER. HEATH MT-1 CHEYENNE 90 WATT 80-10 M XMTR WITH PARTIALLY ASSEMBLED HK-20 KCVR. HEATH HP-10 12 VDC POWER SUPPLY. HEATH OM-2 OSCILLOSCOPE. NAVY LM TYPE FREQ METER WITH AC SUPPLY. MILLEN R-9ER PREAMP 20-6M. HEATH QF-1 Q MULTIPLIER. WEBSTER BAND SPANNER 80-10 METER MOBILE ANTENNA. HEATH AM-1 ANTENNA IMPEDENCE METER. HEATH C-3 CONDENSER CHECKER. HW-10 10 M MOBILE ANTENNA. HEATH AM-2 SWR METER. GENERAL RADIO STROBOTAC. 3A & 4.5A POWERSTATS. DRAKE TV-1000-LP LOW PASS FILTER. HEWLETT PACKARD 200J AUDIO OSCILLATOR. CALL MIKE AT 413-583-6678.



No tickets will be sold at the door! (We must have an accurate count this year.) However, you can reserve a ticket by calling Ron Beauchemin, WBIETS at 413-739-5228. Deadline is June 4th. Remember- NO TICKETS AT THE DOOR! Reserve or buy them ahead of time, please.

Tidbits

KALGIP made DXCC...KALJMM severe weather class a big success for the ARES...WALRWU listed in QST as having worked 75 stations on 70cm EME. ...N1FJ is the proud dad of a beautiful baby girl...HCRA members well represented at the



Deerfield, NH flea market...WB1GLX, K1BXE, & WB1GLZ helped provide communications for the "FUN RUN" put on by Northeast Utilities. ... Ham in Space this summer! Launch of Shuttle Flight 51F is set for July 15. See QST for details.....

ZERO BEAT CONTRIBUTORS

Many thanks to these people, for the many articles and help they've contributed to make Zero Beat so special this season.

CHET KRUCZEK W1HGJ
ED WHITE W1NPL
STEVE NELSON WA1EYF
YORKE PHILLIPS K1BXE
BOB GRAVEL K1BUB
GREG STODDARD N1AEH
ROD THOMPSON N6DGC
BOB LITTLE W1WLE
CARL DRUMELLER W5JJ
STU STEPHANS K8SJ
AL 'DOC' WEBB W1HOD
Callsigns only:

K9XI
W3JHR

RAY BURKE WB1GLX
PERCE NOBLE W1BVR
MIKE LUDKIEWICZ W1DGJ
NORM BROOKS K6FO
JOHN BALBONI AC1T
BRYON LINDSEY W4BIW
BOB MCCORMICK K1KPH
SCOTT DARSNEY WB1CAC
FRANDY JOHNSON N1FJ
GENT LAM WA1CQP
DICK GOODMAN WB1HIH

WA1OCK
W6ORG

Special thanks to: Ron Beauchemin, WB1ETS, who does the mailing labels.

Bob Gravel, K1BUB, and his family, who collates and mails every issue.

Quick As A Wink printing, who does a super job on every issue!

"Quick As A Wink" Printing & Sales Co



Printing • Copying • Addressing
• Specializing in Newsletters •
Also Business Cards • Tickets • NCR Sets
What Else Have You?
- Free Parking at Our Door -

FRANK H. KOZAK ROBBIN J. KOZAK
573 Union Street West Springfield, Ma. 01089
TELEPHONE (413) 736-8184

FLEA MARKET

Pleasant Street
Southington, CT

Sunday, June 2, 1985 Admission \$1.00
Talk-in on 146.28/88

Flea Market

Newington High School
Newington, Conn

June 9, 1985 admission \$2.00
Talk-in on 145.450

VEC EXAMS SCHEDULED

The next HCRA sponsored VEC exams for all classes of amateur license will be held on these dates.

July 10th 7 pm in Agawam, Mass Contact
Bob McCormick, K1KPH for information at
413-786-7966

October 18th 9 am at the high school in
Wilbraham. Contact Yorke Phillips,
K1BXE, at 413-566-3010

SPECIAL EVENT STATION:

N1BHF

NAISMITH
1
BASKETBALL
HALL OF
FAME



Basketball
Hall of Fame
Naismith Memorial

The HCRA will run a special event station at the grand opening of the new Basketball Hall of Fame the weekend of June 29/30th! Hobnob with famous basketball players! Everyone is welcome to help out, not just club members. We need rigs, operators, antennas, etc etc. What do you have to offer? To sign up call Jeff Duquette, K1BE at 413-569-6739 (evenings between 4 pm and 9pm) or daytime at 730-3253.

We'll be using the callsign N1BHF, courtesy of Glen Sykes of Vernon, Ct. Stations all over the world will want the one time special QSL card, so make sure you work us too!

MY TURN

Editorial By KIBE

When in the course of ham events, it becomes necessary for a club to change, rumors abound about what's going on. To help set all minds to rest, here are my thoughts on the club's plans and goals.

The major goal of the HCRA is to promote and support amateur radio. The HCRA is an affiliate of the ARRL, and supports its' policies. Amateur radio is a "hurtin' cowboy". As a group, we are aging because we are not attracting new people into the hobby. The no-code question has been decided and we must begin moving on.

How can we support, improve, promote, and expand ham radio? This is what the Board of Directors has been trying to answer. The licensing classes, volunteer exam sessions, repeater affiliations, VHF/DX contests, special event station, Field Day sites, club meeting programs, and ZERO BEAT represent their answers. All members will never be totally pleased with every decision the B/D makes. I do ask that you support their efforts. Sunshine members abound, showing up when the work is done to share in the credit, belly-aching about molehills in club policy, but seldom doing constructive things.

The HCRA has very limited resources. Every dollar taken in is spent on the club. The same people donate time, money, effort and skills. We need to expand this base of support if amateur radio is to reach any of its' potential! How? ARRL membership for one. Too many allow too few to carry the costs of lobbying the FCC, paying for WARC costs, etc, etc. This club should be 99% League members!

"Why is the club spending money to support repeaters, we just want to go to club meetings and see our friends?", "Why are we supporting a Packet repeater that only six people use?", "The club is too VHF, I'm not renewing my membership". These are questions I'm heard lately. So, what's the answer?

First, the club spends \$1.00 per year per repeater. That's one dollar. We are liable for no other costs! As donations and repeater memberships come in, that money can be spent to improve the machines. Regular dues can not be spent on the repeaters, so ignore the rumors. (Somewhere else in this issue, you should see a printout of where your \$9.00 was spent.)

How can ham radio advance except by supporting new technology? If you won't buy a new radio until everyone else has, the catch-22 will kill off all new radios. I strongly support the packet, amateur television, and 450mhz repeaters, and the new modes/technology they represent. The opportunity to try the newest of the new must be provided. Did you know the HCRA is an AMSAT member?

Operating new technology is not why we have club-affiliated repeaters. The goal is to provide state-of-the-art, reliable, solid communications in any emergency. The ARES/RACES needs our support. As time, money, and resources become available, you'll be able to talk to all of Massachusetts, New York, and Connecticut on your handi-talkie. Linking is being built today to provide wide-area coverage, and on different bands. Someday you'll be checking into an HCRA net held on 2, 6 and 450mhz simultaneously. (An upcoming meeting will be covering this "science fiction" in detail.) Re-read the March, 1985 issue of ZERO BEAT that carefully outlined all of this for you, or give me a landline.

Licensing classes at Agawam High very successfully attracted new hams. (50+ novices alone!) New/more instructors are needed, and it's pulling teeth to attract them. ("I taught a class back in '55, I've done my bit!") Can we continue in the Fall? Only with your support.

The Volunteer Exam program is a big success! Over 75 hams have had an opportunity to upgrade locally, and this is only the first 6 months. We must use these talented people giving the exams in the best way possible, and continue the good work.

This is a two year experiment in repeaters, structure, and style. In 1986, the club will decide what it wants, keeping the good, and discarding the rest. Do we have enough resources, talent, money, and time to accomplish everything? No! Are the people doing the work surprised at what's been accomplished so far? YES!! More support is needed. We need you. When your days of time are past, what will you have left behind of value?

REPORT: LICENSE UPGRADE CLASSES

By Art Zavarella, W1KK

We had a good and and enthusiastic attendance last evening. There is only one more session left! I asked for a show of hands as to how many would continue and upgrade with our classes in the Fall. Practically everyone!

For special recognition, I'd like to mention Vince Falardeau, WA1GVV. He drove down from Holyoke every session, even bringing his young daughter to class rather than miss! Vince often took two of the three periods of the 150 minute sessions. Notwithstanding his difficult personal circumstances, he did an outstanding job for the class and the club!

Based on this Spring semester of the HCRA(cademy, we will make some proposals to the Board:

1. Reduce or eliminate the club funding.
2. stimulate an influx of instructors.
3. Less drop-out after initial sign-up.
4. Reduce loss of Novices from the hobby.

(Any novice who needs help should contact the club, we'll find someone near you to get you through the rough spots! I'd suggest they also attend Field Day and see what setting up a station is all about! ..editor)

All of the following instructors did very well and deserve full credit:

KX1F AC1T K1BUB KA1KPH WA1GVV
KA1JJM WA1EYF KA1KBN KA1KRJ KA1MEW
(And let us not forget our Academic Dean, W1KK! ..ed)

NOVICE CLASS REPORT by KA1KRJ

As of May 7, the listed persons successfully passed the Novice exam. Four loud and long cheers for our four "gals" - Joan, Marilyn, Kate and Linda. Also, seven novices are presently contemplating the Tech/General to be given on May 18.

On April 16, an antenna clinic was held at KA1KRJ and KA1MEW's QTH. Approximately 15 novices attended, complete with coax, wire, connectors and goodies.

A good time was had by all with good conversation, hot coffee and goodies. A-one antenna construction and, of course, a guided tour of our nesting mallard, Matilda, by Sarah Elizabeth.

Novices

Kathleen Curran	Marilyn Dumais
Joseph Giannetti	David Fauaro
Tom Grassetti	Linda Martelli
Neil Martelli	David Norton
Bob Pinard	Leroy Musser
Klim Pesesky	Chester Szydlowski
John Wright	William Fisher
Frank Mazza	Joan Ackerman

**KA1KBN**

KENNETH GRADY
274 NORTH WEST ST.
FEEDING HILLS, MASS.
HAMPDEN COUNTY 01030

73

LETTER FROM A STUDENT

Dear Art,

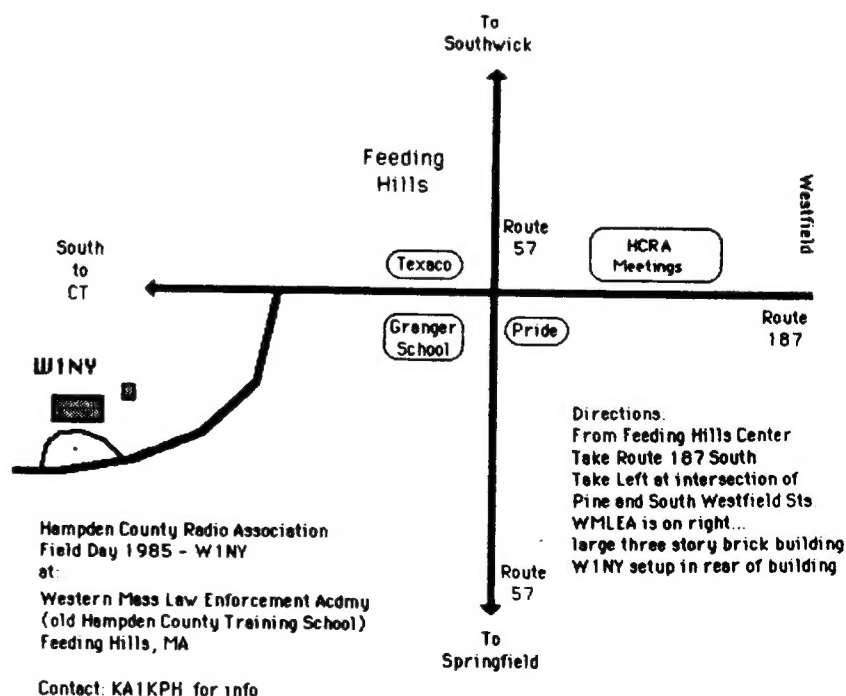
Please accept my sincere thanks for the time and effort extended to me these last six weeks. I am referring to the radio classes that your club sponsored at the Agawan High School.

I'm pleased to say that on last Saturday, the 20th, I successfully achieved my General ticket, of which I am most proud. As an extra bonus, and quite to my surprise, I also passed 20 wpm code exam! Needless to say it was a super day for me.

I do know that your group of dedicated hams played an important role in my success and so on behalf of myself and I'm sure other hams who might not take the time to say so, please extend my sincere appreciation to the other fellows in the group.

With best regards,

Ralph W. Lake, KA1LKJ/AG



REPORT by KA1KPH

The KA1KPH 70cm repeater system is in its final resting place atop Provin Mountain, the home of channel 22 WWLP. There was some problems with intermod with other transmitters (as you may imagine) during the first week or two but most of these have been eliminated. Initially there were a small group of 440 people who were using the machine but this has grown to quite a large number of users in the last few weeks. Its nice to see the number of both new and old calls on the machine - thanks for the support!

The machine is running about 44 watts output to a 10db antenna. This yeilds over 400 watts ERP which covers south beyond Hartford, east into Palmer, north through Amherst, and west to Becket on the Mass Pike. I have found some ruff areas such as the lower part of Holyoke and north of Mount Tom where even 20 watts mobile have a hard time hitting the machine. Oh well, guess that's part of 70cm! There is no real short term solution to the ruff spots - there is a very high gain preamp on the machine but it has to be cut back in order to ensure the intermod not key up the repeater. A long term solution to better cover various areas is now being looked at; but it will be a ways off.

Heathkit weather instruments have been ordered and the scheduled ship date is 17-May-85. Sometime in June I will have these up and running on the machine and you will be able to inquire to the wind speed, direction, and also outside temp. A future version of the RC-850 software (soon to be received [so they say]) will also have the ability to give you five second, five minute and 10 minute averages for direction and wind speed. And if that is not good enough, it will also keep track of the max and min values for all those over any length time period (I'll make it one day).

More things in the works are the ability to read back the output power and reflected power, the percent quieting and signal strength and how far off frequency your rig is (or so my receiver would think!). And the six and 10 meter links are also still in the works - you can expect them sometime this summer. Can you guess what I'll be doing during my vacation?

If you don't have a copy of the current user commands and features of the repeater system and would like a copy please drop me a line. Its six pages or so of what you can do and how you can do it. My address is P.O. Box 17, Feeding Hills, MA 01030-0017.

BUILDING CLASS by KA1KPH

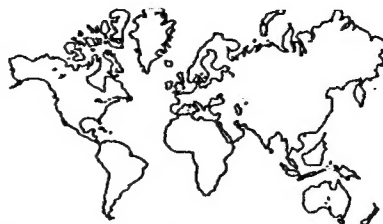
Many people have stated some level of interest in Packet Radio over the last few months. Some new TNC's have been recently announced that may be of interest to you. The greatest interest of all the the new Heathkit HD-4040 Packet Radio TNC. This should not be any supprise; its a re-packaged TAPR TNC! So.....now you can get the full support from the Heath organization and the quality of the TAPR TNC in one package - and at a lower price, too! The Heath TNC comes with a cab included for less money than the TAPR TNC and cab kit. So, for those of you that are money tight or concerned about the support after purchase, your fears are over.

But you say its still a kit? Well, maybe we have the answer! Bob, KA1KPH, and John, AC1T, are currently working on the final details on having a "Let's build a TNC" class in the fall. These would be weekly sessions held at a local educational facility where we would "help" you through the efforts of constructing the TNC and getting it on the air. The goals of the sessions would be to make you familiar with the construction practices used in state of the art computer devices and assist you in the (sometimes) difficult task of figuring how to connect the TNC to your computer and radio.

If you have any interest in this project please drop a line to:

Bob McCormick KA1KPH
P.O. Box 17
Feeding Hills, MA 01030-0017

We figure the materials will cost you in the range of \$300.00 and this will depend on the TNC we choose (most likely the TAPR/Heath) and the number of people that will attend. The more we get the cheaper the price will be. So please let us know NOW so that plans can be made - if we are going to order ten or so units from any vendor we will have to do it months-in advance.



CQ DX

by

W1DGJ

SOUTH GEORGIA & SOUTH SANDWICH active sometime between November and January ... SUDAN DL8YR/ST2 on 20 cw at 19Z ... GUINEA DL7AH/3X until June ... RODRIGUES 3B9CD until June ... CYPRUS RAF bases DXCC credit after June 1 ... RHODES K7VAY/SV5 in June & July ... KERGUELEN FT8YY maybe starting in November ... NASA long range solar activity forecast says bottom of current cycle will occur around December 1987 with solar flux index to drop to 69.0 ... CHINA DK7PE will be in Beijing starting June 9 for 1 week ... MT. ATHOS DL7FT has OK for June or July ... CLIPPERTON FO0XX made 31,000 QSOs in 6 days operation! ... CHAD G3KQI will operate there in July ... BALEARIC IS. active May 25 thru June 6 ... ARRL FIELD DAY June 22/23 ... FCC 24 mhz band opens June 22 with cw 24.890-24.990 and ssb 24.930-24.990 mhz ...

LX1BR 1.848 04Z .. EA6KZ 1.835 05Z .. ZL3GQ 1.827 10Z .. OA4ZV 1.834 03Z .. 3V8PS 1.839 04Z .. CT2CB 1.841 02Z .. CX8DT 1.831 02Z .. J28EI 1.833 00Z .. VK7BC 1.832 10Z .. CO7AM 3.800 00Z .. A71AD 3.795 03Z .. FM5CD 3.798 03Z .. 7X2LS 3.794 02Z .. 3B8CF 3.505 03Z .. 6WICK 3.799 03Z .. 9U5JB 3.800 01Z .. VK0GC 3.795 10Z .. 9H1EU 3.798 05Z .. 3D2RN 7.001 06Z .. OX3CX 7.004 00Z .. 8R1J 7.006 02Z .. EL2FJ 7.007 23Z .. C31NP 7.008 00Z .. OD5AS 14.245 21Z .. HL4XM 14.025 12Z .. EA8LD 14.188 17Z .. CN8EL 14.206 23Z .. OX3AX 14.019 19Z .. DL8YR/ST2 14.022 19Z .. VS6CT 14.177 12Z .. 9K2SA 14.209 22Z .. A71BK 14.173 23Z .. 4X6NR 14.151 22Z .. ZD7BJ 14.226 00Z

DEAR CQ DX: Is there a simple way to know which Cyprus QSLs will count for "RAF Bases" credit? ANSWER: The ARRL will accept the following ZC4s: AK, AKR, ASG, AU, BI, CB, CI, CN, CS, CT, CZ, DA, EPI, ES, ESP, GB, HC, HS, IK, IO, JU, LC, MR, PC, RB, RM, SC, SJ, SS, TX, and WD.

DEAR CQ DX: I have all the Russian countries worked except Franz Josef Land. How can I recognize a station from FJL? ANSWER: Sorry but there is no real way except by specific callsign. UA1OT, EO1AOK, and UW3HY/I are now on.

CLUB RADIO NET: Thursday 7:30 pm
147.105 up 600 Latest info!

Also 28.650 Thursday 9 pm

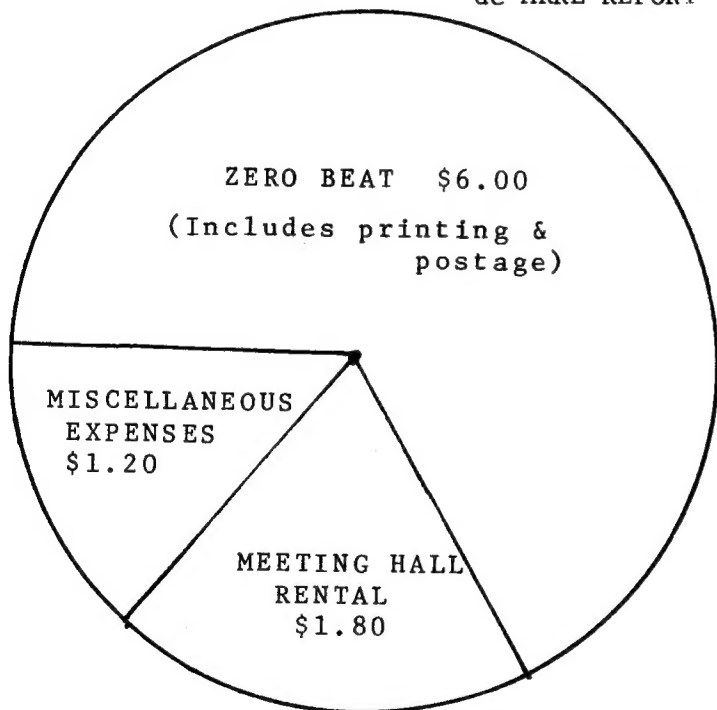
Day One for 24 MHz

The 24 MHz or 12 Meter band will be released to U.S. amateurs at 0001 UTC on June 22, 1985. The 10 MHz or 30 meter band becomes permanent at the same time.

The ARRL Board policy of no contest credit or awards on the WARC bands will apply to Field Day, unless a decision is reached to the contrary at the Executive Committee meeting on May 18. Watch W1AW bulletins and the ARRL Letter for late-breaking news.

Full power (1500 Watts P.E.P. output) will be permitted on the 24 MHz band, 24.890 to 24.990 MHz. The subband 24.890 to 24.930 MHz is limited to CW and RTTY only. In the subband from 24.930 to 24.990 MHz, CW, phone, FAX, and SSTV will be permitted. On the 10 MHz band, (10.1 to 10.15 MHz), power continues to be limited to 200 Watts P.E.P. output, and CW and RTTY are the only modes allowed. For details on the mode subband allocations, see the Happenings column in December 1984 QST.

de ARRL REPORT

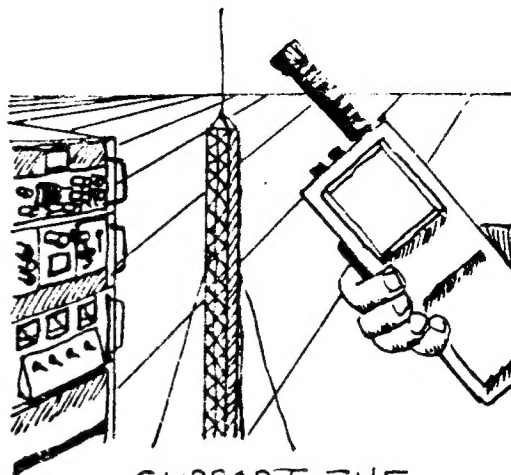


Where do we spend your \$9.00?

Miscellaneous expenses include our post office box, contest expenses, awards, new stationary and envelopes, tax fees, etc.

WANTED: Kenwood Touch-tone mike for my 450 rig! Jeff K1BE

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SUPPORT THE
REPEATER YOU USE.

FOR SALE: Rohm tower, fold over, 25G, 50 foot; TA33 Mosley Beam, CDR ham rotor, all for \$350.00. Heath SB401, \$150.00; Heath SB303 \$125.00; Heath SB630, \$75.00 W1MQK, Mal at 413-736-2915

FLEA MARKET
American Legion
Route 9, Dalton, Mass
Sunday August 11th NOBARC
Talk-in on 146.31/91

FOR SALE; HEATHKIT HW 5400 HF TRANSCEIVER, WITH POWER SUPPLY, \$500 OR BO. ALL SOLID STATE, NO TUNE UP! LESS THAN 2 YEARS OLD, SEE HEATH CATALOG & LAST YEARS QST FOR REVIEW. KENWOOD AM/FM DIGITAL STEREO CASSETTE TAPE DECK FOR YOU CAR. \$180.00 OR BO. BOB MCCORMICK, 413-786-7966

Paid Advertisement

RG-8A^u Coaxial Cable Sale

A limited amount of this high-quality foam-core RG-8A coax is now on sale. Some local stores have been selling poor-grade cable for 37¢ per foot! Our coax is brand new, with 96% shielding. Here's your chance to save some money and get better performance.

Price: 500 foot roll, 18¢ per foot

100 foot lengths, 22¢ per foot

We'll bring your cable to the next HCRA meeting. You can order over the phone, but there is only a limited amount, and prepaid orders will be taken care of first. odd lengths, 27¢ per foot

Mail to: Jeffrey J. Duquette, K1BE
P.O. Box 346
Southwick, MA 01077
Phone: Day 413-730-3253

Make checks payable
to
"Jeffrey J. Duquette"

Evenings (Before 9 pm!) 413-569-6739

Loss in db per 100 feet

TYPE	IMPEDANCE	3.5 Mhz	7 Mhz	14 Mhz	21	28	50	144 Mhz
RG 8/U	52 ohms	0.3	0.45	0.66	0.83	0.98	1.35	2.5
RG 8 A/U	"	0.25	0.36	0.53	0.67	0.80	1.1	2.0

Velocity factor of the RG 8 A/U is .81

15YNC- TIPS

page 9

The ATV repeater transmitter was installed at the Wilbraham site in early May. Purpose is to provide a 426.26 mhz test signal for experimental use. Video is being generated by a Timex 1000 computer supplied by WAIIAO. John did a professional job by providing a regular keyboard and then fully shielding the unit in an aluminum case. This unit has been running continuously since it was installed.

Bob, WINYP, is presently updating the video program to include calls of all ATVers in our area. A temporary antenna is being used until repairs can be made to the other two.

The video transmitter may be turned on and off by means of a touch-tone code over the KAIJMJ, 147.705/.105 2 meter repeater. Ray provided the interface. The system has been working flawlessly. Initial reports are encouraging. Good pictures were reported being received by WINYP, Holyoke; KAIJEB, Enfield; ACIT, Agawam; WAIIAO, East Hartland, Ct; and WIHGJ, East Longmeadow.

In fast scan TV the video signal is rated as follows:

P0 Total noise visible. No pix at all, or detectable video sync bars.

P1 High noise visible, weak pix.

P2 High noise visible, fair pix, fair detail.

P3 Noise visible, strong pix, recognizable detail.

P4 Slight noise visible, very strong pix, good detail.

P5 No noise visible, closed circuit pix.

The repeater rack is being worked on, even a new paint job, thanks to Rich! The ATV group meets once a month at KAIJEB's QTH, where we do our thing. You're welcome to join us!

73, Chet Kruczek, WIHGJ

FINANCIAL REPORT

By Greg Stoddard, NIAEH

Bank balance: 6/18/84

240.85

REVENUE

MEMBERSHIPS	\$1573.
MEMBERSHIPS (RPTR)	270.
DYSAN ADS	280.50
COFFEE	169.80
AUCTION	89.23
RAFFLES	139.03
PROG LINE RADIOS	69.
DONATIONS	166.
FLEA MARKET	147.
MISC INCOME	368.
TOTAL REVENUE	3271.56

EXPENSES

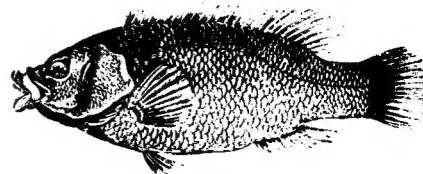
PLAQUES	54.50
DOOR PRIZES	20.70
FIELD DAY	50.
STAMPS	512.90
MISC SUPPLIES	282.25
ZERO BEAT PRINTING	664.30
CLUB MEETING HALL	245.
ARRL LETTER	19.50
AMSAT	50.
FLOWERS	27.25
MASS CORP PAPERS	44.
P.O. BOX	29.
LICENSING CLASS	77.43

TOTAL EXPENSES 2076.83

BANK BALANCE: 5/12/85

\$1435.58

Note: The "Misc Income" of \$368 is a bit misleading and needs more explanation. Part of the income is \$320 which is revenue from the June 1984 banquet. We already paid out on this, and as you know, we lost money on the operation. Another part of the income is \$60 which is from the money collected for the June '85 banquet. We have yet to pay any expenses on this. I have to show it in order for the bank balances to be correct. Another item is "Misc supplies", which is for club stationary. After 20 years we'd finally used it all up and had to buy more. This should last us for quite a few years, though. At any rate, this report will give you a good handle on revenues and expenses for the 1984/1985 season!

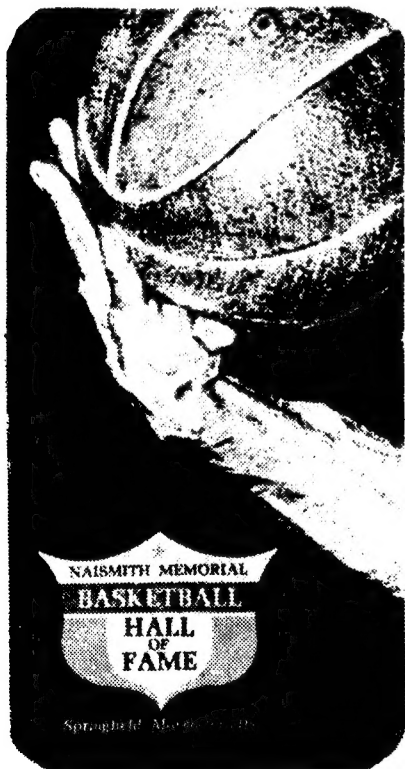


FIRST CLASS

ACIT E Y 10/85



Hampden County Radio Association
c/o Jeffrey J. Duquette K18E
P.O. Box 346
Southwick, MA 01077



SPECIAL EVENT STATION:

NIBHF

CALENDAR OF EVENTS:

ANNUAL MEETING

Friday June 7th

Annual meeting and awards banquet for
HCRA at 6:30 pm at the FH Congregational
Church. See Board members for tickets.

VHF CONTEST

June 8/9th

****FIELD DAY 1985****

June 22/23rd

HCRA Field Day with callsign W1NY
Western Mass Law Enforcement Academy,
route 187, FH, Mass To sign up, 786-7966

HCRA Field Day with callsign W1TM
Middlefield Fairgrds, Middlefield, Mass
To sign up, 568-8291

SPECIAL EVENT STATION June 29/30th

NIBHF, to celebrate the opening of
the new Basketball Hall of Fame in
Springfield! To sign up, 569-6739,
or 596-6403

NAISMITH

BASKETBALL HALL OF FAME